

WHAT IS CLAIMED IS:

1. An apparatus for treating diseased skin with ultraviolet (UV) light, the apparatus comprising:

5 a source of UV light within the range of 300 and 315 nanometers; and  
a cooler for cooling the diseased skin.

2. An apparatus for treating an area of diseased epidermal tissue with ultraviolet UV light, the apparatus comprising:

10 a source of high intensity ultraviolet light equal to or greater than about 1  
minimum erythema dose (MED) in the wavelength range of between about 300 and 315  
nanometers, having an output for emitting the UV light;

a conduit positioned to receive said ultraviolet light, said conduit having  
an output end that emits said UV light;

15 a delivery device that includes said output end of said conduit; and  
a cooler included in said delivery device.

3. The apparatus of Claim 2, wherein said delivery device has a localized UV  
output sufficiently small to illuminate a portion of skin no larger than said area of  
20 diseased epidermal tissue.

4. A method for treating an epidermal region comprising diseased tissue,  
the method comprising:

25 cooling the diseased tissue and exposing the diseased tissue in said  
epdermal region to a dosage of ultraviolet light equal to or greater than about 1  
minimum erythema dose (MED) in the wavelength range of between about 300 and 315  
nanometers.